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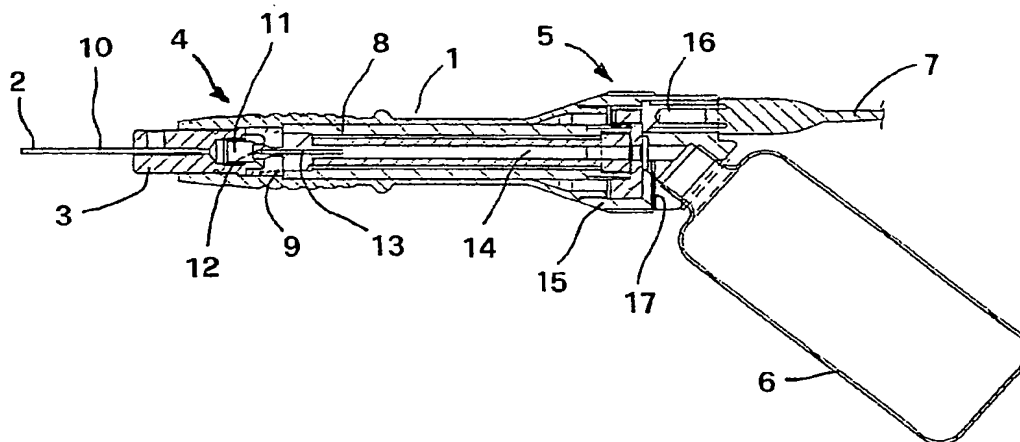
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(54) Title: ELECTRODE DEVICE WITH INTEGRATED ELECTROLYTE SUPPLY FOR THE SURFACE TREATMENT OF METALS



(57) Abstract: An electrode device with integrated electrolyte supply for the treatment of metals, comprises a nozzle (2) connected with the unipolar electric current supply (7, 16) from an external apparatus, the other pole being connected with the metal surface being treated, and has the electrolytic solution used, for the specific treatment, arranged in a tank (6, 21) connected to said electrode device to supply said nozzle through channels inside said device; the electrolytic solution being put under pressure in the delivery direction through a dosaging device of said solution controlled by the user. Difference embodiments are described with manually actuated pumps and/or rigid or flexible tanks for spraying by the user. The tank (6, 21) is advantageously made removable, to allow the replacement of the electrolytic solution and to change the type of work to be carried out on the metallic surface in a quick and clean manner.

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